

RUGGED COMPLETELY SEALED FULL IP66/NEMA4X STAINLESS STEEL CHASSIS/SURFACE MOUNT



21.5" Industrial Panel 250 nits, 1920x1080 with Resistive Touch
JIMB-1900-2L / J1900 (Intel Celeron up to 4.2 GHz quad-core processor)
RAM 8GB / SSD 512GB / Win 11 Pro 64bit, I/O (all connectors are waterproof connectors / 6ft long): VGA x1, USB x1, RS232 x1, LAN x1 and 12VDC with External 100-240VAC Power Adapter

Model: CCHW2150-SIP-J-TR

FEATURES:

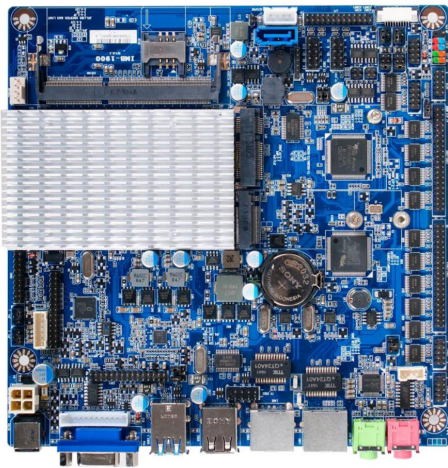
- 21.5" Industrial Panel
- Resolution: 1920x1080
- Brightness: 250nits
- Stainless 304 Steel Enclosures with Full IP65 / VESA Mount
- Resistive Touch
- WiFi Module Card Inside / Antenna x1
- Widely Application: Automation, Medical, Tourist, Transportation

SPECIFICATIONS:

Display	Viewing Size Image	21.5"
	Active Display Area (mm)	479 (H) x 270.50 (V)
	Pixel Pitch (mm)	0.248 x 0.248
	Resolution	1920 x 1080
	Contrast Ratio	5000 : 1 (typ.)
	Color	16.7M (8bits/colors)
	Brightness	250nits
	Viewing Angle	-89~89 (H) ; -89~89 (V)
Power	Recommended Resolution	1920 x 1080 @ 60Hz
	Source	12VDC with external 100-240VAC Power Adapter
	Consumption	38W typical, normal operation
	Management	VESA DPMS Compliant
Optional	Touch	Resistive, PCAP
	High Brightness	YES
	Auto Dimming	YES
	POWER in	DC24V ,DC9V~36V
	Remote Control	YES

APPLICATIONS:





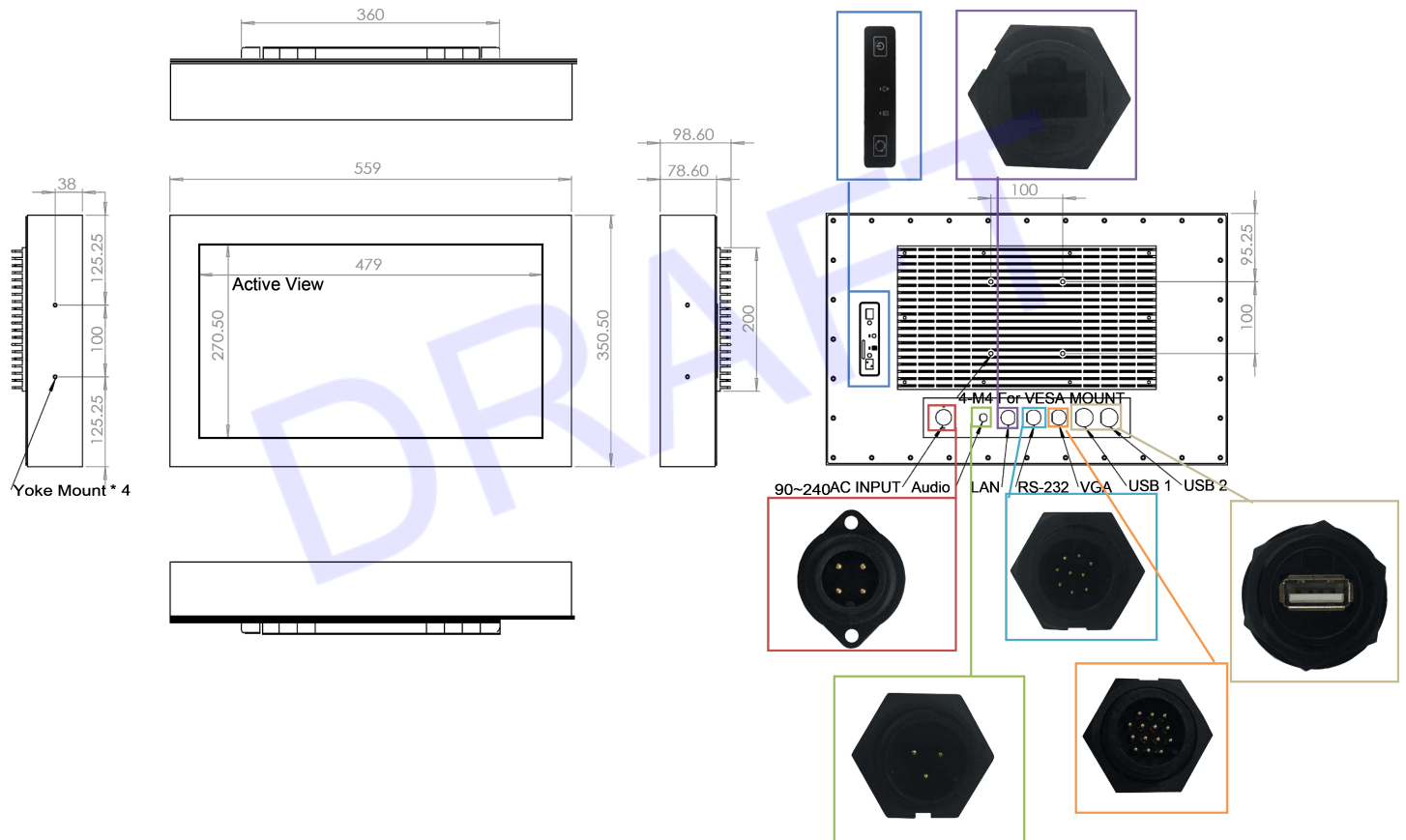
- Intel Celeron J1900 (2.0 GHz) quad-core processor
- Support DirectX 11 3D Graphics Acceleration
- Support DDR3L 1333
- Integrated HD Audio CODEC
- Support 2*PCI Express Gigabit LAN
- Support Power Onboard(12V)
- Onboard 1* MiniPCI-E connector
- Onboard 1* M.2 connector(2242/2260)
- 2 Phase CPU Power Support
- Support 1* USB3.0, 9* USB2.0
- Support 12* COM(COM1/2 Support RS232/422/485)
- Support Amplifier function(3W)
- Support Thunder Protection Function
- Thin mini ITX Form Factor(170mm X170mm)

CPU-Chipset	INTEL Celeron J1900 (2.0 GHz) Quad-Core Processor
I.O Chipset	2 Phase CPU Power Support FINTEK F81866AD-I
Memory	1*SO-DIMM slot Support DDR3L 1333 Max. capacity of system memory up to 8GB
Expansion Slots	1* Mini PCI-E connector
Storage	1* Serial ATA2 3Gb/s connector 1* M.2 Connector(2242/2260)
Audio	ALC662 Audio CODEC
Ethernet LAN	HD Audio CODEC REALTEK® RTL8111G Chip
LVDS	2* PCI Express Gigabit LAN Onboard 24-bit Dual channel(Co-Lay EDP)
USB	1* USB3.0 Port 9* USB 2.0 (3 distribute in back panel, 6 distribute in mid-board)
Special Features	Support CPU Smart Fan Support Watch dog Technology Support GPIO Technology Support VGA header Support HDIM header Support Power On board Support Amplifier function(3W) Support 2*RS422/RS485/RS232 COM ports COM 1/COM2 Support 5V/12V TTL Thunder Protection Function All Solid Capacitor design All Power Pack MOSFET design
Back Panel I / O	2* USB3.0 port 2* USB 2.0 ports 2* RJ-45 ports 1* Line-out connector 1* MIC 1* VGA port (Max. Resolution: 1920*1200@60Hz) 1* 12V DC in

Internal I / O	3* USB 2.0 headers for 6 USB 2.0 ports
	1 * CPU / Chassis Fan connectors
	12* COM headers(COM1/COM2 For RS422/RS485/RS232 and TTL)
	1* Parallel header
	1* PS2/KB header
	1* 4-pin ATX 12V Power connector
	1* 4-pin SATA Power connector
	1* 12-pin VGA header (Max. Resolution: 1920*1200@60Hz)
	1* 20-pin HDMI header (Max. Resolution: 1920*1200@60Hz)
	1* 24-bit Dual Channel LVDS header (Max. Resolution: 1920*1200@60Hz)
	1* GPIO header
	1* Mini PCI-e connector
	1* M.2 Connector(2242/2260)
	1* SATA Connector
	1* Speaker header(Amplifier function 3W)
1* Front panel header	
1* SIM Card socket	
BIOS	AMI 64MB SPI ROM
Temperature	Operating: 0°C ~ 70°C Storage: -20°C ~ 85°C
Form Factor	Thin mini ITX Form Factor(170mm X 170mm)
Accessory	SATA Cable SATA Power cord COM Cable I/O Shield
OS Support	Windows 7 (32/64-bit), Windows 8.1 (32/64-bit), Windows 10 (32/64 Bit) Windows Server 2012R2, Windows Server 2016, Windows Server 2019 Linux: Cent OS, Debian, Fedora, OpenSUSE, Ubuntu, pfSense, FreeNAS, RedHat

MECHANICAL DRAWING:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



Drawing No.: CCHW2150-SIP-J-TR-02142024-V1

Modified Date: 02-14-2024